Final Bill

SSE-104/31/05/14

BR-136/31/05/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192188

Improvements to Roads and Drains at Venkatgiriyappa Layout inward
From ..... To .....
Name of Nature of Agency ..... Vidyaranyapura Sub-division
Name of work ..... K.R.I.D.L.

Description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth / Depth		
2	3	4	5 / 6	7	8
Work Code No:	010-14-000035				
Work order No:	EE/BTP/KRIDL/K10/U72/2013-14, Date 21/2/2014.				
Agreement No:	U72 Date 21/2/2014.				
Name of Agency:	#119, 11th Cross Silvedra arched 3rd floor East park Road Malleshwaram Bangalore-560003.				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	1) Earth work excavation by manual means in hard soil in an average horizontal furrow upto 2metres and an average lift upto 0.5mt excavated soil for filling leveled and sides neatly						
	Desilting Kempamma LO						
	1st cross	2	30.00	0.45	0.35	9.45 Cum	
		2	30.00	0.45	0.25	6.75 Cum	
		2	30.00	0.45	0.30	8.10 Cum	
		2	30.00	0.45	0.45	12.15 Cum	
		2	25.30	0.45	0.30	6.83 Cum	
	Knw 2nd stage 1st cross	2	30.00	0.45	0.45	12.15 Cum	
		2	30.00	0.45	0.20	5.40 Cum	
		2	30.00	0.45	0.35	9.45 Cum	
		2	30.00	0.45	0.25	8.75 Cum	
	1st C cross	2	14.90	0.45	0.45	6.03 Cum	
		2	36.80	0.45	0.35	11.59 Cum	
	~~1st A cross~~	2	24.60	0.45	0.30	6.64 Cum	
	1st D cross	2	30.00	0.45	0.40	10.80 Cum	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192189

From ..... To .....

Description of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	2	14.20	0.45	0.35 =	4.47 cum.	
	1	30.00	(6.2+5.90)/2	0.20 =	36.60 cum	
	1	30.00	(5.9+6.10)/2	0.20 =	36.00 cum	
	1	30.00	(6.10+6.0)/2	0.20 =	36.30 cum	
	1	30.00	(6.0+6.0)/2	0.20 =	36.00 cum	
	1	25.30	(6.0+6.20)/2	0.15 =	23.15 cum	
	1	30.00	(5.8+5.4)/2	0.15 =	25.20 cum	
	1	30.00	(5.4+5.60)/2	0.20 =	33.00 cum	
	1	30.00	(5.6+5.0)/2	0.20 =	33.30 cum	

Bills

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to the Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	JSt C Cross	1	30.00 $\frac{(5.5+5.50)}{2}$		0.20 =	33.00 Cum	
		1	14.90 $\frac{(5.5+5.60)}{2}$		0.15 =	12.40 Cum	
	JSt A Only	1	36.80	5.00	0.20 =	36.80 Cum	
		1	24.60	6.00	0.20 =	28.52 Cum	
	JSt D Only	1	30.00 $\frac{(4.5+4.60)}{2}$		0.20 =	27.30 Cum	
		1	14.20 $\frac{(4.6+4.60)}{2}$		0.20 =	13.06 Cum	
					Total =	526.23 Cum	
		@ Rs 90.72				Rs 47740.00	
	2) Removing B.S. Slab of Drain and Stacking						
		2	30.00		1.35 =	81.00 Sqm	
		2	30.00		1.35 =	86.94 Sqm	
		2	32.20		1.35 =	81.00 Sqm	
		2	31.20		1.35 =	84.24 Sqm	
		2	34.20		1.35 =	92.34 Sqm	
		2	18.00		1.35 =	48.60 Sqm	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192190

From ..... To .....

Dimensions, etc. of work	Number	Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
				Total =	499.50 Sqt	
	@ Rs 50.11				Rs 25030.00	
Providing and laying stone slabs of drains and pointing in CM						
Qty vide Item No-2				=	499.50 Sqt	
@ Rs 70.04					Rs 34985.00	
Providing, laying, spreading and compacting graded stone aggregate) to wet mix macadam specification including pre mixing the Material with water at OMC and Plant Carriage						
L	1	30.00	0.90	0.20	= 5.40 Cum	
L	1	30.00	0.90	0.20	= 5.40 Cum	
L	1	30.00	0.90	0.20	= 5.40 Cum	

Bill

Assistant Executive Engineer
Rajarajeshwarinagar Sub Division
BBMP, Bangalore - 98

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Knw 2nd Stage JST Cray	1	30.00	0.90	0.20 =	5.40 Cum	
		1	30.00	0.90	0.20 =	5.40 Cum	
		1	25.30	0.90	0.20 =	4.55 Cum	
		1	30.00	0.90	0.20 =	5.40 Cum	
	JST C Cray	1	30.00	0.90	0.20 =	5.40 Cum	
		1	30.00	0.90	0.20 =	5.40 Cum	
		1	14.90	0.90	0.20 =	2.68 Cum	
	JST A Cray	1	36.80	1.00	0.20 =	7.36 Cum	
		1	24.60	1.00	0.20 =	4.92 Cum	
	JST D Cray	1	30.00	1.00	0.20 =	6.00 Cum	
		1	14.20	1.00	0.20 =	2.84 Cum	
	Kempanna Lo JST Cray	1	30.00	$\frac{(6.2+5.90)}{2}$	0.20 =	36.00 Cum	
		1	30.00	$\frac{(5.9+6.10)}{2}$	0.20 =	36.00 Cum	
		1	30.00	$\frac{(6.10+6.0)}{2}$	0.20 =	36.30 Cum	
		1	30.00	$\frac{(6.0+6.0)}{2}$	0.20 =	36.00 Cum	
		1	29.80	$\frac{(6.0+6.20)}{2}$	0.20 =	30.87 Cum	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192192

Name .....
Agreement ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Block work Stage 1st floor	1	30.00 (5.8+5.40)/2		0.20 =	33.60 Cum	
	1	30.00 (5.4+5.60)/2		0.20 =	33.00 Cum	
	1	30.00 (5.6+5.50)/2		0.20 =	33.30 Cum	
	1	30.00 (5.5+5.50)/2		0.20 =	33.00 Cum	
	1	14.80 (5.5+5.60)/2		0.20 =	16.54 Cum	
C only	1	36.80 (5.00)²		0.20 =	36.80 Cum	
A only	1	24.60	6.00	0.20 =	29.52 Cum	
D only	1	30.00 (4.5+4.60)/2		0.20 =	27.30 Cum	
	1	14.20 (4.6+4.60)/2		0.20 =	13.00 Cum	
				Total =	499.90 Cum	

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BBMP, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ Rs 1121.04				Rs 560401	
	7) ~~Clearing~~ ~~Centering~~ the existing WBM road surface including removing of bi- doing ordinary and other foreign matter with wire baskets and Sonay Picks, bags and for compressed air to Keranpanna Lo 1st cross						
		L —	30.00	(6.20+5.80)/2	=	183.00Sq	
		L —	30.00	(5.9+6.10)/2	=	180.00Sq	
		L —	30.00	(6.10+6.00)/2	=	181.50Sq	
		L —	30.00	(6.00+6.00)/2	=	180.00Sq	
		L —	25.30	(6.0+6.20)/2	=	154.33Sq	
	Knd 2nd ~~Stage~~ 1st cross	L —	30.00	(5.8+5.4)/2	=	168.00Sq	
		L —	30.00	(5.4+5.60)/2	=	165.00Sq	

Assistant Executive Engineer
Vidyaranyapura Sub Division
97
BBMP, Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192193

Name .....
Agreement ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	1	30.00	(5.6+5.50)/2	=	166.50 Sqm	
	1	30.00	(5.5+5.50)/2	=	165.00 Sqm	
	1	14.90	(5.5+5.60)/2	=	82.70 Sqm	
	1	36.80	5.00	=	184.00 Sqm	
	1	24.60	6.00	=	147.60 Sqm	
	1	30.00	(4.5+4.60)/2	=	136.50 Sqm	
	1	14.20	(4.6+4.60)/2	=	65.32 Sqm	
				Total =	2139.50 Sqm	
		@ Rs 10.53			Rs 22529.00	

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Vidyaranyapura Sub D
BBMP, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 10 kg per 100 sqm.						
	Qty vide Item No. 07					= 2139.50 Sqm	
	@ Rs 44.28					Rs 94737.-	
	9) Providing and laying Semi dense bituminous concrete 25mm thick with 100 - 120 TPH batch type HMP producing an average output of 75 tonnes per hour using Kempanna 60 Grade						
		1	30.00	(6.2+5.90)/2	0.025	= 4.58 Cum	
		1	30.00	(5.9+6.10)/2	0.025	= 4.50 Cum	
		1	30.00	(6.10+6.0)/2	0.025	= 4.54 Cum	
		1	30.00	(6.0+6.0)/2	0.025	= 4.50 Cum	
		1	2830	(6.0+6.20)/2	0.025	= 3.96 Cum	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192194

From ..... To .....

Nature of Agency.....

Name of work.....

Particulars of description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
Sump 1st Coat	1	30.00	(5.4+5.60)/2	0.025 =	4.13 Cum	
	1	30.00	(5.4+5.60)/2	0.025 =	4.13 Cum	
	1	30.00	(5.6+5.50)/2	0.025 =	4.16 Cum	
	1	30.00	(5.5+5.50)/2	0.025 =	4.13 Cum	
	1	14.90	(5.50+5.60)/2	0.025 =	2.07 Cum	
	1	36.80	5.00	0.025 =	4.60 Cum	
	1	24.60	6.00	0.025 =	3.69 Cum	
	1	30.00	(4.5+4.60)/2	0.025 =	3.41 Cum	
	1	14.20	(4.6+4.60)/2	0.025 =	1.63 Cum	

C&TE

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092
31/5/2014

Assistant Executive Engineer
Byatarayanapura Sub Division
BBMP, Bengalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
					Total =	83.49 Cum	
		@ Rs 0963.44				Rs 515186	
10)	Lead for Dismantled Mechanical materials shall be payable at carriage rate by loading and unloading.						
	Qty vide Item No-01,				=	526.23 Cum	
		@ Rs 72.71				Rs 38262.00	
11)	Add 1% for QC Charges					Rs 13389.00	
12)	Add 11% for K.R.I.D.L Charges					Rs 147276	
						Total Rs 114995	
						Jadhav	
						31/5/2014.	

Executive Engineer
Dy. Commissioner's Office
Byatarayanapura Zone, B.B.M.P.
Yelahanka, Bangalore - 560 092

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Certificate:-						
	Certified that the above work done satisfactory and no-materials issued from department.					—	—
	Jadhav						
	AE 31/5/2014						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BESCOM, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192199

Name .....

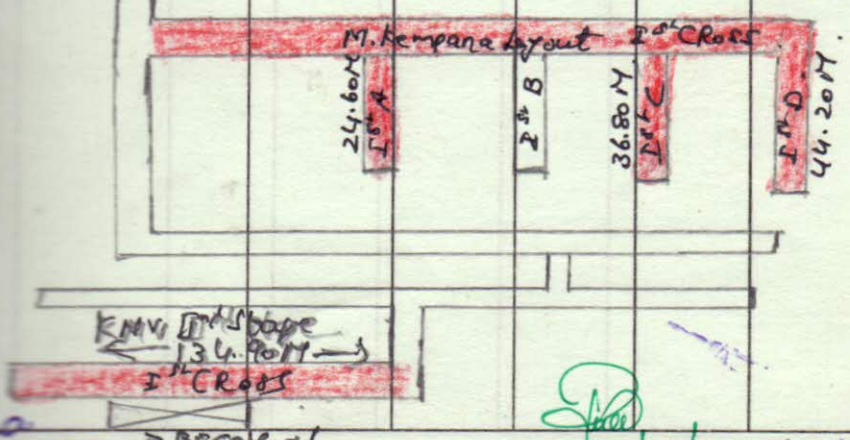
Agreement ..... From ..... To .....

Name and Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2						8
DB BS Arch to RC Pump Test Road.						

Sketch Showing the Locations of work done Spot



Assistant Executive Engineer
Vidyaranyapura Sub Division